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TITLE: Door damping structure of chest-type refrigerator

INVENTOR: JUNG, G S; CHUNG, G S

PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

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BASIC-ABSTRACT:

NOVELTY - Door damping structure of a chest-type refrigerator is provided to prevent damage of chest-type refrigerator structure or injury of a user by inhibiting a door from being suddenly opened/closed by a spring inserted into a cam-fixing rib.

DETAILED DESCRIPTION - A hinge for connecting a door (11) is formed on a side of a chest-type refrigerator body (12) by connectors (40). Hinge ribs (14) are formed at both sides of the hinge, and each hinge hole (14a) having a hinge pin (30) is formed in the center of the hinge ribs. A cam-fixing rib (15) is formed between the hinge ribs, and an inserting groove (15a) is formed in the center of the cam-fixing rib. The inserting groove includes a spring (16) and cams (17) at both sides of the spring. A couple of door ribs (21) are formed on a side of the door. The door ribs are inserted between the hinge ribs and the cam-fixing rib. As the spring and the cam are inserted into the inserting groove of the cam-fixing rib, the door ribs are reinserted between the hinge ribs and the cam-fixing rib. Then, the hinge pin is connected through hinge holes (14a,17a,21a). Thereby, the door is assembled completely.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: DOOR DAMP STRUCTURE CHEST TYPE REFRIGERATE

DERWENT-CLASS: Q75 X27

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